

KINCAID ♦ BRYANT

Consulting Engineers

A professional corporation

Mechanical ♦ Electrical ♦ Plumbing ♦ Fire Protection ♦ Value Engineering

Winchester Building
10800 Midlothian Turnpike

Suite 266
Richmond, Virginia 23235

phone: 804-897-5390
fax: 804-897-3393

To: **All Document Holders**

From: **KINCAID ♦ BRYANT**

Date: February 5, 2008

Comm. No.: 06115

Project: **Southeastern Virginia Training Center
Replacement of Underground Heating System**

Project Code: **720-10880-23-07**

IFB Number: **07-18**

RE: **Addendum No. 4**

Ladies & Gentlemen:

Enclosed for your information is a copy of Addendum No. 4, including changes and modifications to the Specifications and Drawings, for the above referenced project.

At the time of submission of bids, written acknowledgment of receipt of this Addendum by the Bidder shall be made in the appropriate blank on the Bid Form.

This Addendum has been issued to all Document Holders on record with our office. Bidders shall see that all Sub-Contractors are properly notified of the applicable provisions herein.

The information in this Addendum supersedes any contradictory information or omission set forth in the Contract Documents, including all previous addendums.

Please attach this addendum to all copies of the Contract Documents in your possession so that they may be brought up-to-date.

Acknowledgment of receipt of this addendum is required on the Bid Form.

Sincerely,



Robert V. Grubbs
Project Manager/Project Engineer

End of ADDENDUM NO. 4

Addendum No. 4, dated February 5, 2008, to Bidding Documents for Southeastern Virginia Training Center Replacement of Underground Heating System Plans and Specifications dated December 17, 2007, K♦B File No. 06115, Project Code: 720-10880-23-07, IFB Number 07-18.

TO:

PLAN HOLDERS OF RECORD

**FROM: KINCAID ♦ BRYANT, Consulting Engineers
725 Church Street, 7th Floor
Allied Arts Building
Lynchburg, VA 24504**

This Addendum forms a part of the Contract Documents and modifies the Plans and Specifications dated December 17, 2007, as noted below. Acknowledge receipt of this Addendum on the Bid Form. Failure to do so may subject Bidder to disqualification.

GENERAL

1. Simplex is the manufacturer of the existing fire alarm system
2. The Owner (DMHMRSAS) shall hire the Asbestos oversight, monitoring, and testing consultant.
3. Refer to attached RFI Responses
4. Refer to attached Asbestos report summary

END OF ADDENDUM NO. 4

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10800 Midlothian Turnpike

Suite 266
Richmond, Virginia 23235

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RFI RESPONSES

To: All Document Holders

From: KINCAID ♦ BRYANT

Project: Southeastern Virginia Training Center
Replacement of Underground Heating System

Project Number: 720-10880-23-07

IFB Number: 07-18

Comm No: 06115

Date: February 5th, 2008

RFI RESPONSES:

- 1) Re: Specification Section 02222

How many times will the asbestos contractor have to re-mobilize?

RESPONSE: Number of mobilizations to be determined, as DMHMRSAS shall hire the Asbestos Oversight consultant.

- 2) Re: Specification Section 02222

Who will be the Industrial Hygienist on this project?

RESPONSE: They will be hired by DMHMRSAS – person to be determined.

- 3) Re: Specification Section 02222 page 10, paragraph 2.

I would like a copy of the survey report

RESPONSE: Please refer to the attached Asbestos Report.

- 4) Re: Specification Section 02222 page 9 & 10, paragraph 1 & 2.

The actual quantities are not specified in the document. Are they on the survey report or where in the specifications or drawings? For bidding purposes for the removal of the contaminated soil, how is the amount of contaminated soil removal to be determined, and at what depth and width is sufficient for removal.

RESPONSE: Please refer to the attached Asbestos Report.

5) Re: Specification Section 02222 page 10, paragraph 6


How much asbestos cement piping goes inside building 1, 2, 3, & 4? And is there any other asbestos pipe insulation or fittings in these buildings?

RESPONSE: There is approximately two feet of asbestos piping inside each building.

6) Re: Drawings M2 & M3

They are going to abandon the existing asbestos underground heat piping to the cabins (typ) and to be capped. Is there any asbestos work to be done at these points as noted?

RESPONSE: There is no asbestos work related to this part of the project.



SIGNED: _____

Robert V. Grubbs, PE



FROEHLING & ROBERTSON, INC.

ENGINEERING • ENVIRONMENTAL • GEOTECHNICAL

833 Professional Place West, Chesapeake, VA 23320

T 757.436.1111 | F 757.436.1674

108 Ingram Road, Suite 24, Williamsburg, VA 23188

T 757.221.6661 | F 757.221.6656

F&R Record No. J61-178E

F&R Report Serial No. J178E-HSR1

January 25, 2008

Department of Mental Health, Mental Retardation, and Substance Abuse
Services (DMRMHSAS), Office of A & E Services
1220 Bank Street (Jefferson Building)
Richmond, Virginia 23219

Attn.: Mr. Tom Ashworth

Subject: Heating System Conversion, Asbestos Testing
Southeastern Virginia Training Center
F&R Project No.: J61-178E

Dear Mr. Ashworth:

As authorized by DMRMHSAS, Froehling & Robertson, Inc., (F&R) personnel performed asbestos testing on various components of the heating system at the Southeastern Virginia Training Center located in Chesapeake, Virginia. Sampling was performed in general accordance with U.S. EPA and OSHA protocols. Areas to be sampled were based on drawings supplied by DMRMHSAS and prepared by Kincaid Bryant dated June 5, 2007.

Asbestos Containing Material (ACM)

A total of thirty-six (36) bulk samples of suspect ACM were collected from various components of the heating system that may be impacted by the planned energy conversion project. Each sample was packaged, labeled, and transported under standard chain-of-custody procedures to AmeriSci Laboratories in Richmond, Virginia. Samples were analyzed using Polarized Light Microscopy (PLM) following EPA Method 600/R-93/116. The laboratory reports and chain of custody forms are presented in Appendix I.



Results: (Refer to Appendix I for Analytical Reports)

Sample No.	Sample Location	Sample Type	Analytical Results
B2-100	Building 2, Boiler Room	6" Cove Pipe	30% Chrysotile Asbestos
B2-101	Building 2, Boiler Room	6" Cove Pipe	30% Chrysotile Asbestos
B2-102	Building 2, Boiler Room	4" Cove Pipe	30% Chrysotile Asbestos
B2-103	Building 2, Boiler Room	4" Cove Pipe	30% Chrysotile Asbestos
B2-104	Building 2, Boiler Room	Gasket HWS	NAD
B2-105	Building 2, Boiler Room	HWS lagging	NAD
B2-106	Building 2, Boiler Room	HWR lagging	NAD
B2-107	Building 2, Boiler Room	TSI Sealant	NAD
B2-108	Building 2, Boiler Room	HWR, fitting insulation	NAD
B2-109	Building 2, Boiler Room	Valve packing	NAD
B2-110	Building 2, Boiler Room	Lagging 10" O.D.	NAD
B2-111	Building 2, Boiler Room	Lagging, HWS, 8" O.D.	NAD
B2-112	Building 2, Boiler Room	Valve packing	NAD
B2-113	Building 2, Boiler Room	Cove Pipe 12" O.D. HWS	25%
B2-114	Building 2, Boiler Room	Cove Pipe 12" O.D. HWR	25%
B2-115	Building 2, Boiler Room	Valve packing	NAD
B2-116	Building 2, Boiler Room	Gasket	NAD
B3-117	Building 3, Room 123	Pipe fitting insulation, 5" O.D.	NAD
B3-118	Building 3, Room 123	Pipe fitting insulation, 3" O.D.	NAD
2B-A1	Quad 2-B	Duct sealant	NAD
2A-A2	Quad 2-A	Pipe lagging	NAD
2D-A3	Quad 2-D	Wall felt	NAD
5A-A4	Quad 5-A Overhead	<4" O.D. pipe fitting insulation	NAD
5A-A5	Quad 5-A Overhead	<4" O.D. pipe fitting insulation	NAD
5A-A6	Quad 5-A Overhead	Drywall, tan	NAD
5A-A7	Quad 5-A Overhead	Vibration damper	NAD
5A-A8	Quad 5-B Overhead	<4" O.D. pipe fitting insulation	NAD
5A-A9	Quad 5-B Overhead	<4" O.D. pipe fitting insulation	NAD
5B-A10	Quad 5-B Overhead	Drywall	NAD
5B-A11	Quad 5-B Overhead	Penetration sealant, HVAC	NAD
5B-A12	Quad 5-B Overhead	HVAC putty, black	8% Chrysotile Asbestos
5C-A13	Quad 5-C Overhead	HVAC putty, black	3% Chrysotile Asbestos



Sample No.	Sample Location	Sample Type	Analytical Results
5C-A14	Quad 5-C Overhead	Drywall	NAD
5C-A15	Quad 5-C Overhead	Duct penetration sealant, black	4% Chrysotile Asbestos
5D-A16	Quad 5-D Overhead	Duct insulation sealant	NAD
5D-A17	Quad 5-D Overhead	Duct insulation sealant	NAD
5D-A18	Quad 5-D Overhead	Drywall	NAD
4B-A19	Quad 4-B Overhead	<4" O.D., pipe fitting insulation	NAD
4B-A20	Quad 4-B Overhead	<4" O.D., pipe fitting insulation	NAD
4B-A21	Quad 4-B Overhead	Drywall	NAD
4B-A22	Quad 4-B Overhead	Penetration sealant, black	8% Chrysotile Asbestos
4D-A23	Quad 4-D Overhead	<4" O.D., pipe fitting insulation	NAD
4D-A24	Quad 4-D Overhead	Drywall	NAD
4D-A25	Quad 4-D Overhead	Penetration sealant, black	8% Chrysotile Asbestos
4D-A26	Quad 4-D Overhead	4-8" O.D., pipe insulation	NAD
4C-A27	Quad 4-C Overhead	<4" O.D., pipe insulation	NAD
4C-A28	Quad 4-C Overhead	<4" O.D., pipe fitting insulation	NAD
4C-A29	Quad 4-C Overhead	Insulation seem mastic	NAD
4C-A30	Quad 4-C Overhead	Insulation seem mastic	NAD
4A-A31	Quad 4-A Overhead	Insulation seem mastic	NAD
4A-A32	Quad 4-A Overhead	<4" pipe fitting insulation debris	NAD
3A-A33	Quad 3-A Overhead	Insulation seem mastic	NAD
3A-A34	Quad 3-A Overhead	Penetration sealant, black	8% Chrysotile Asbestos
3A-A35	Quad 3-A Overhead	Pipe insulation seam mastic	NAD
3A-A36	Quad 3-A Overhead	<4" O.D., pipe fitting insulation	NAD
3B-A37	Quad 3-B Overhead	Drywall	NAD
3B-A38	Quad 3-B Overhead	Pipe insulation seem mastic	NAD
3B-A39	Quad 3-B Overhead	Duct insulation seem mastic	NAD
3C-A40	Quad 3-C Overhead	<4" O.D., pipe fitting insulation	NAD
3C-A41	Quad 3-C Overhead	Drywall	NAD
3D-A42	Quad 3-D Overhead	Pipe insulation seem mastic	NAD
1A-A43	Quad 1-A Overhead	Drywall	NAD
1B-A44	Quad 1-B Overhead	Drywall	NAD
1C-A45	Quad 1-C Overhead	Pipe insulation seem mastic	NAD
1C-A46	Quad 1-C Overhead	Drywall	NAD



Sample No.	Sample Location	Sample Type	Analytical Results
1C-A47	Quad 1-C Overhead	Duct insulation seem mastic	NAD

NAD – No Asbestos Detected

Conclusions and Recommendations

Asbestos (30 %) was detected in four samples collected of the typical concrete-type pipe. This material was sampled in the boiler room of Building 2 and extends underground within concrete vaults throughout the campus of the site. All similar materials should be assumed to be asbestos. This material is non-friable and considered a Category II non-friable ACM by EPA. If this material is impacted by planned renovation work it is recommended that it be removed by a licensed asbestos abatement contractor.

Asbestos (3%- 8 %) was detected in two samples of piping penetration sealant. This material was sampled in several of the attic mechanical overhead spaces of the “quads” buildings, and is located at several locations along the attic walls in these areas. This material is non-friable and considered a Category II non-friable ACM by EPA. All similar materials should be assumed to contain asbestos. If this material is impacted by planned renovation work it is recommended that it be removed by a licensed asbestos abatement contractor.

Asbestos (4%) was detected in one sample of duct penetration sealant. This material was sampled in several of the attic mechanical overhead spaces of the “quads” buildings, and is located at select locations along the attic walls in these areas. This material is non-friable and considered a Category II non-friable ACM by EPA. All similar materials should be assumed to contain asbestos. If this material is impacted by planned renovation work it is recommended that it be removed by a licensed asbestos abatement contractor.

Based on discussions with site personal and field observations made at the site, there were areas that were inaccessible for surveying in the overhead mechanical chases/attics in each Quad building. It is possible that piping as well as other miscellaneous HVAC components may exist in these areas and potentially be insulated with ACM. .



It is recommended that known or presumed ACMs be removed by a licensed asbestos abatement contractor prior to disturbance during the planned renovation project. It is also recommended that any suspect ACMs be sampled by a Virginia licensed asbestos inspector prior to disturbance.

LIMITATIONS

This report has been prepared for the exclusive use of Southeastern Virginia Training Center and/or their agents. This report has been prepared in accordance with generally accepted environmental practices. No other warranty, expressed or implied, is made. Our observations are based upon conditions readily visible at the site at the time of our site visit.

During this study, areas inspected were those designated by the scope of services. As with any similar survey of this nature, actual conditions exist only at the precise locations from which suspect lead based paint surfaces were tested. Certain inferences are based on the results of this sampling and related testing to form a professional opinion of conditions in areas beyond those from which the samples were collected. No other warranty, expressed or implied, is made.

Under this scope of services, F&R assumes no responsibility regarding response actions (e.g. O&M Plans, Encapsulation, Abatement, Removal, Tenant Notification, etc.) initiated as a result of these findings. F&R assumes no liability for the duties and responsibilities of the Client with respect to compliance with these regulations. Compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements and should be performed by appropriately qualified and licensed-personnel, as warranted.

Froehling & Robertson, Inc. by virtue of providing the services described in this report, does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies any conditions at the site that may present a potential danger to public health, safety, or the environment. The client agrees to notify the appropriate local, state, or federal public agencies as required by law, or otherwise to disclose, in a timely manner, any information that may be



necessary to prevent any danger to public health, safety, or the environment. The contents of the report should not be construed in any way as a recommendation to purchase, sell, or develop the project site.

If you should have any questions concerning this report, please feel free to contact the undersigned. Froehling & Robertson, Inc. appreciates the opportunity to work with you as your Environmental Consultant, and looks forward to a continued cordial working relationship with you.

Sincerely,

FROEHLING & ROBERTSON, INC.

Thomas A. Herrick
Environmental Program Manager
Environmental Services

Christopher Chapman, CIH
Senior Industrial Hygienist
Environmental Services

Appendix: A: Laboratory Analysis Data: (20 Page)

Cc: Robert V. Grubbs, Kincaid-Bryant Consulting Engineers

**AmeriSci Richmond**

13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Froehling & Robertson, Inc
Attn: Tom Herrick
833 Professional Place W.

Date Received 11/16/07

Date Examined 11/19/07

RE: J61-178E; SEVTC; B2

AmeriSci Job # 107111418

P.O. #

Page 1 of 4

Chesapeake, VA 23320

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B2-100	107111418-01	Yes	30 %
Location: Blr. Rm., 6" Cove Pipe			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: Grey, Heterogeneous, Fibrous, Cementitious, Bulk Material			
Asbestos Types: Crocidolite 2.0 %, Chrysotile 28.0 %			
Other Material: Non-fibrous 70 %			
B2-101	107111418-02	Yes	30 %
Location: Blr. Rm., 6" Cove Pipe			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: Grey, Heterogeneous, Fibrous, Cementitious, Bulk Material			
Asbestos Types: Crocidolite 2.0 %, Chrysotile 28.0 %			
Other Material: Non-fibrous 70 %			
B2-102	107111418-03	Yes	30 %
Location: Blr. Rm., 4" Cove Pipe			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: Grey, Heterogeneous, Fibrous, Cementitious, Bulk Material			
Asbestos Types: Crocidolite 2.0 %, Chrysotile 28.0 %			
Other Material: Non-fibrous 70 %			
B2-103	107111418-04	Yes	30 %
Location: Blr. Rm., 4" Cove Pipe			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: Grey, Heterogeneous, Fibrous, Cementitious, Bulk Material			
Asbestos Types: Crocidolite 2.0 %, Chrysotile 28.0 %			
Other Material: Non-fibrous 70 %			
B2-104	107111418-05L1	No	NAD
Location: Blr. Rm., Gasket HW Supply			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: Red, Heterogeneous, Non-Fibrous, Gasket			
Asbestos Types:			
Other Material: Non-fibrous 100 %			

See Reporting notes on last page

Client Name: Froehling & Robertson, Inc

PLM Bulk Asbestos Report

J61-178E; SEVTC; B2

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B2-104	107111418-05L2	No	NAD
Location: Blr. Rm., Gasket HW Supply			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: Red, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
B2-105	107111418-06	No	NAD
Location: Blr. Rm., HW Supply Bagging			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 95 %, Non-fibrous 5 %			
B2-106	107111418-07	No	NAD
Location: Blr. Rm., HW Rtn Bagging			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: Yellow/White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 93 %, Non-fibrous 7 %			
B2-107	107111418-08	No	NAD
Location: Blr. Rm., TSI Sealant			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: Gray/Yellow, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 15 %, Fibrous glass 65 %, Non-fibrous 20 %			
B2-108	107111418-09	No	NAD
Location: Blr. Rm., HW Rtn, Ftg, Insul & Bagging			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: White/Gray, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 5 %, Fibrous glass 10 %, Non-fibrous 85 %			
B2-109	107111418-10	No	NAD
Location: Blr. Rm., Valve Pkg			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: White/Gold, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 3 %, Fibrous glass 70 %, Non-fibrous 27 %			

See Reporting notes on last page

Client Name: Froehling & Robertson, Inc

PLM Bulk Asbestos Report

J61-178E; SEVTC; B2

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B2-110	107111418-11	No	NAD
Location: Blr. Rm., Bagging 10" O.D.			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: White/Yellow, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 93 %, Non-fibrous 7 %			
B2-111	107111418-12	No	NAD
Location: Blr. Rm., Bagging, Ans, 8"			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: White/Yellow, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 90 %, Non-fibrous 10 %			
B2-112	107111418-13	No	NAD
Location: Blr. Rm., Valve Pkg			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: Gray/Yellow, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 20 %, Non-fibrous 80 %			
B2-113	107111418-14	Yes	25 %
Location: Blr. Rm., Cove Pipe 12" O.D. HWS			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: Grey, Heterogeneous, Fibrous, Cementitious, Bulk Material			
Asbestos Types: Crocidolite 2.0 %, Chrysotile 23.0 %			
Other Material: Non-fibrous 75 %			
B2-114	107111418-15	Yes	25 %
Location: Blr. Rm., Cove Pipe 12" O.D. HWR			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: Grey, Heterogeneous, Fibrous, Cementitious, Bulk Material			
Asbestos Types: Crocidolite 2.0 %, Chrysotile 23.0 %			
Other Material: Non-fibrous 75 %			
B2-115	107111418-16	No	NAD
Location: Blr. Rm., Valve Pkg			(by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 7 %, Non-fibrous 93 %			

See Reporting notes on last page

Client Name: Froehling & Robertson, Inc

PLM Bulk Asbestos Report

J61-178E; SEVTC; B2

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
B2-116 Location: Blr. Rm., Gasket	107111418-17	No	NAD (by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: Maroon, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Non-fibrous 100 %			
B2-117 Location: 123, Pipe Ftg, 5"	107111418-18	No	NAD (by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: White/Gray, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 35 %, Fibrous glass 10 %, Non-fibrous 55 %			
B2-118 Location: 123, Pipe Ftg, 3"	107111418-19	No	NAD (by CVES) by David W. Ralbovsky on 11/19/07
Analyst Description: White/Gray, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 2 %, Fibrous glass 7 %, Non-fibrous 91 %			

Reporting Notes:

Analyzed by: David W. Ralbovsky

Date

11/19/07

*NAD = no asbestos detected, Detection Limit = 1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____



America's Laboratory

CHAIN OF CUSTODY RECORD

AMERISCI RICHMOND
Job No.

107111418

AMERISCI RICHMOND
13635 GENITO ROAD
MIDLOTHIAN, VA 23112
PHONE: (804) 763-1200
FAX: (804) 763-1800
TOLL FREE: (800) 476-5227
www.amerisci.com

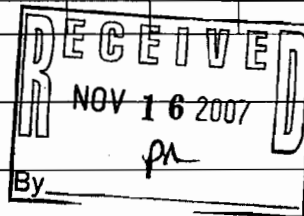
		P.O.#:
		SPECIAL INSTRUCTIONS:

PROJECT INFORMATION	ANALYSIS TYPE	TURNAROUND TIME (X)							AIR FILTER INFORMATION
		6-8 HR	12 HR	24 HR	48 HR	72 HR	5 DAY	OTHER	
JOB NAME: SEYTC	TEM/AHERA								MCE
JOB NO: 1001-170E	TEM/LEVEL II								PC
JOB MANAGER: T. Herrick	TEM/7402								25 mm
JOB DESCRIPTION: B2	TEM/BULK								37 mm
	TEM/DUST								0.45 um
	TEM/WATER								0.80 um
	PLM								OTHER:
	PCM								
	OTHER:								

RESULTS TO: T. Herrick	INVOICE TO: T. Herrick	RETURN SAMPLES: YES NO
EMAIL RESULTS: N	EMAIL ADDRESS: T.Herrick@amerisci.com	PHONE:
WRITTEN REPORT TO: T. Herrick		FAX:
COMMENTS:		SITE FAX:
		PAGER/CELL:

LAB ID	SAMPLE ID	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL TIME X	LITERS /MIN.	TOTAL VOLUME	DATE COLLECTED
	B2-100	B2-100, 10" CONC. PIPE						11/15/07
	B2-101	" " " "						
	B2-102	" " " "						
	B2-103	" " " "						
	B2-104	" GASKET, HWY 280/281						
	B2-105	" HWY 280/281, 280/281						
	B2-106	" HWY 280/281, 280/281						
	B2-107	" TGI SERVICING						
	B2-108	" HWY 280/281, 280/281						
	B2-109	" VALVE REG.						
	B2-110	" LAGGING, 10" O.D.						
	B2-111	" LAGGING, HWY 280/281						
	B2-112	" VALVE REG.						
	B2-113	" CONC. PIPE, 12" O.D., HWY						
	B2-114	" " " " " " HWY						
	B2-115	" VALVE REG.						
	B2-116	" GASKET						
	B3-117	123, PIPE REG., 5"						
	B3-118	123, PIPE REG., 5"						

SAMPLED BY: T. Herrick	DATE/TIME: 11/15/07 1700	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY:	DATE/TIME:





AmeriSci Richmond

13635 GENITO ROAD
MIDLOTHIAN, VA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

December 12, 2007

Froehling & Robertson, Inc
Attn: Tom Herrick
833 Professional Place W.
Chesapeake, VA 23320

RE: Froehling & Robertson, Inc
Job Number 107121281
P.O. #J61 178E
J61 178E; SEVTC; Htg. Sys.

Dear Tom Herrick:

Enclosed are the results for PLM asbestos analysis of the following Froehling & Robertson, Inc samples received at AmeriSci on Wednesday, December 12, 2007, for a 12 hour turnaround:

2B-A1, 2A-A2, 2D-A3, 5A-A4, 5A-A5, 5A-A6, 5A-A7, 5A-A8, 5A-A9, 5B-A10, 5B-A11, 5B-A12, 5C-A13, 5C-A14, 5C-A15, 5D-A16, 5D-A17, 5D-A18, 4B-A19, 4B-A20, 4B-A21, 4B-A22, 4D-A23, 4D-A24, 4D-A25, 4D-A26, 4C-A27, 4C-A28, 4C-A29, 4C-A30, 4A-A31, 4A-A32, 3A-A33, 3A-A34, 3A-A35, 3B-A36, 3B-A37, 3B-A38, 3B-A39, 3C-A40, 3C-A41, 3D-A42, 1A-A43, 1B-A44, 1C-A45, 1C-A46, 1C-A47

The 47 samples contained in zip lock bag were shipped to AmeriSci via UPS 1Z2311112110000234. These samples were prepared and analyzed according to the EPA Interim Method (EPA 600/M4-82-020 per 40 CFR 763, subpt F, App. A). The required analytical information, analysis results, analyst signature and laboratory identification is contained in the Analyst's Report.

This report relates ONLY to the sample analysis expressed as percent asbestos. AmeriSci assumes no responsibility for customer supplied data such as "sample type", "location", or "area sampled". This report must not be used to claim product endorsement by AmeriSci, NVLAP or any agency of the U. S. Government. The National Institute of Standards and Technology Accreditation requirements, mandates that this report must not be reproduced, except in full without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations respectively, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,

T. Brian Keith
Asbestos Laboratory Director

**AmeriSci Richmond**

13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Froehling & Robertson, Inc
Attn: Tom Herrick
833 Professional Place W.

Chesapeake, VA 23320

Date Received 12/12/07 **AmeriSci Job #** 107121281
Date Examined 12/12/07 **P.O. #**
Page 1 of 11
RE: J61 178E; SEVTC; Htg. Sys.

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2B-A1 Location: Duct Sealant; 2B Analyst Description: Off White/ Silver, Heterogeneous, Non-Fibrous, Wrap / Cover Asbestos Types: Other Material: Cellulose 3 %, Fibrous glass 5 %, Non-fibrous 92 %	107121281-01.1	No	NAD (by CVES) by C. David Mintz on 12/12/07
2B-A1 Location: Duct Sealant; 2B Analyst Description: Dark Yellow, Heterogeneous, Fibrous, Insulation Asbestos Types: Other Material: Fibrous glass 75 %, Non-fibrous 25 %	107121281-01.2	No	NAD (by CVES) by C. David Mintz on 12/12/07
2A-A2 Location: Pipe Logging; 2A Analyst Description: Off White Tan Silver, Heterogeneous, Non-Fibrous, Wrap / Cover Asbestos Types: Other Material: Cellulose 20 %, Fibrous glass 5 %, Non-fibrous 75 %	107121281-02.1	No	NAD (by CVES) by C. David Mintz on 12/12/07
2A-A2 Location: Pipe Logging; 2A Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Cellulose 5 %, Fibrous glass Trace, Non-fibrous 95 %	107121281-02.2	No	NAD (by CVES) by C. David Mintz on 12/12/07
2D-A3 Location: Wall Felt; 2D Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 38 %, Fibrous glass Trace, Synthetic fibers 2 %, Non-fibrous 60 %	107121281-03	No	NAD (by CVES) by C. David Mintz on 12/12/07

See Reporting notes on last page

Client Name: Froehling & Robertson, Inc

PLM Bulk Asbestos Report

J61 178E; SEVTC; Htg. Sys.

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
5A-A4	107121281-04	No	NAD
Location: <4" OD Pipe Fit Ins.; 5A Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 20 %, Non-fibrous 80 %			
5A-A5	107121281-05	No	NAD
Location: <4" OD Pipe Fit Ins.; 5A Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 12 %, Non-fibrous 88 %			
5A-A6	107121281-06	No	NAD
Location: Tan Friable Drywall; 5A Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 2 %, Non-fibrous 98 %			
5A-A7	107121281-07	No	NAD
Location: White/Blk Fiber Vibe. Damp; 5A Overhead HVAC			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 75 %, Non-fibrous 25 %			
5A-A8	107121281-08	No	NAD
Location: <4" OD Pipe Fit Ins.; 5B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Lt.Tan- Off-White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 3 %, Fibrous glass 3 %, Non-fibrous 94 %			
5A-A9	107121281-09	No	NAD
Location: <4" OD Pipe Fit Ins.; 5B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Lt. Tan - Off-White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 3 %, Fibrous glass 3 %, Non-fibrous 94 %			

See Reporting notes on last page

Client Name: Froehling & Robertson, Inc

PLM Bulk Asbestos Report

J61 178E; SEVTC; Htg. Sys.

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
5B-A10	107121281-10	No	NAD
Location: Tan Friable Drywall; 5B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Lt. Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 3 %, Fibrous glass Trace, Non-fibrous 97 %			
5B-A11	107121281-11	No	NAD
Location: Bro. Paper Pakn In HVAC Pen.; 5B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Brown, Heterogeneous, Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 80 %, Non-fibrous 20 %			
5B-A12	107121281-12	Yes	8 %
Location: Blk Plyable HVAC Putty; 5B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 8.0 %			
Other Material: Non-fibrous 92 %			
5C-A13	107121281-13	Yes	3 %
Location: Blk Plyable HVAC Putty; 5C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 3.0 %			
Other Material: Non-fibrous 97 %			
5C-A14	107121281-14	No	NAD
Location: Tan Friable Drywall; 5C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 4 %, Fibrous glass Trace, Non-fibrous 96 %			
5C-A15	107121281-15.1	Yes	4 %
Location: HVAC Pen. Duct Caulk; 5C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Black, Heterogeneous, Non-Fibrous, Caulking #1			
Asbestos Types: Chrysotile 4.0 %			
Other Material: Non-fibrous 96 %			
Comment: Two Different Kinds of Caulk Present. One Black and One White.			

See Reporting notes on last page

Client Name: Froehling & Robertson, Inc

PLM Bulk Asbestos Report

J61 178E; SEVTC; Htg. Sys.

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
5C-A15	107121281-15.2	No	NAD
Location: HVAC Pen. Duct Caulk; 5C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: White, Heterogeneous, Non-Fibrous, Caulking # 2			
Asbestos Types:			
Other Material: Non-fibrous 100 %			
Comment: Two Different Kinds of Caulk Present. One Black and One White.			
5D-A16	107121281-16.1	No	NAD
Location: White HVAC Duct Mastic; 5D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Cellulose 2 %, Fibrous glass Trace, Non-fibrous 98 %			
5D-A16	107121281-16.2	No	NAD
Location: White HVAC Duct Mastic; 5D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Yellow, Heterogeneous, Fibrous, Insulation			
Asbestos Types:			
Other Material: Fibrous glass 85 %, Non-fibrous 15 %			
5D-A16	107121281-16.3	No	NAD
Location: White HVAC Duct Mastic; 5D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Silver / Lt Tan, Heterogeneous, Non-Fibrous, Wrap/ Cover			
Asbestos Types:			
Other Material: Cellulose 20 %, Fibrous glass 3 %, Non-fibrous 77 %			
5D-A17	107121281-17.1	No	NAD
Location: White HVAC Duct Mastic; 5D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White , Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Cellulose 1 %, Non-fibrous 99 %			

Client Name: Froehling & Robertson, Inc

PLM Bulk Asbestos Report

J61 178E; SEVTC; Htg. Sys.

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
5D-A17	107121281-17.2	No	NAD
Location: White HVAC Duct Mastic; 5D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Silver/ Tan, Heterogeneous, Non-Fibrous, Wrap / Cover			
Asbestos Types:			
Other Material: Cellulose 20 %, Fibrous glass 5 %, Non-fibrous 75 %			
5D-A17	107121281-17.3	No	NAD
Location: White HVAC Duct Mastic; 5D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Yellow, Heterogeneous, Non-Fibrous, Insulation			
Asbestos Types:			
Other Material: Fibrous glass 85 %, Non-fibrous 15 %			
5D-A18	107121281-18	No	NAD
Location: Tan Friable Drywall; 5D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 4 %, Fibrous glass 4 %, Non-fibrous 92 %			
4B-A19	107121281-19	No	NAD
Location: <4" OD Pipe Fit Ins.; 4B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Gray-Beige, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass 15 %, Non-fibrous 85 %			
4B-A20	107121281-20	No	NAD
Location: <4" OD Pipe Fit Ins.; 4B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Gray - beige, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 18 %, Non-fibrous 82 %			
4B-A21	107121281-21	No	NAD
Location: Tan Friable Drywall; 4B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 4 %, Fibrous glass 4 %, Non-fibrous 92 %			

See Reporting notes on last page

Client Name: Froehling & Robertson, Inc

PLM Bulk Asbestos Report

J61 178E; SEVTC; Htg. Sys.

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
4B-A22	107121281-22	Yes	8 %
Location: Blk Penetration Sealant; 4B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 8.0 % Other Material: Non-fibrous 92 %			
4D-A23	107121281-23	No	NAD
Location: <4" OD Pipe Fit Ins.; 4D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Gray -Beige, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 15 %, Non-fibrous 85 %			
4D-A24	107121281-24	No	NAD
Location: Tan Friable Drywall; 4D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 8 %, Fibrous glass Trace, Non-fibrous 92 %			
4D-A25	107121281-25	Yes	8 %
Location: Blk Penetration Sealant; 4D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 8.0 % Other Material: Non-fibrous 92 %			
4D-A26	107121281-26	No	NAD
Location: 4-8" OD Pipe Ins. White; 4D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 15 %, Non-fibrous 85 %			
4C-A27	107121281-27	No	NAD
Location: <4" OD Pipe Fit Ins. White; 4C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Fibrous glass 15 %, Non-fibrous 85 %			

See Reporting notes on last page

Client Name: Froehling & Robertson, Inc

PLM Bulk Asbestos Report

J61 178E; SEVTC; Htg. Sys.

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
4C-A28	107121281-28	No	NAD
Location: <4" OD Pipe Fit Ins.; 4C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: NA/PS 85 %, Fibrous glass 15 %			
4C-A29	107121281-29.1	No	NAD
Location: Insulation Seam Mastic; 4C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Cellulose Trace, Fibrous glass Trace, Non-fibrous 100 %			
4C-A29	107121281-29.2	No	NAD
Location: Insulation Seam Mastic; 4C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Silver/ Tan, Heterogeneous, Non-Fibrous, Wrap/ Cover			
Asbestos Types:			
Other Material: Cellulose 15 %, Fibrous glass 5 %, Non-fibrous 80 %			
4C-A30	107121281-30.1	No	NAD
Location: White Ins. Seam Mastic; 4C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White/ Silver, Heterogeneous, Non-Fibrous, Wrap / Cover			
Asbestos Types:			
Other Material: Cellulose 12 %, Fibrous glass 5 %, Non-fibrous 83 %			
4C-A30	107121281-30.2	No	NAD
Location: White Ins. Seam Mastic; 4C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Cellulose 3 %, Non-fibrous 97 %			
4A-A31	107121281-31.1	No	NAD
Location: White Ins. Seam Mastic; 4A Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Cellulose 1 %, Non-fibrous 99 %			

See Reporting notes on last page

Client Name: Froehling & Robertson, Inc

PLM Bulk Asbestos Report

J61 178E; SEVTC; Htg. Sys.

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
4A-A31	107121281-31.2	No	NAD
Location: White Ins. Seam Mastic; 4A Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White/ Silver, Heterogeneous, Non-Fibrous, Wrap/ Cover			
Asbestos Types:			
Other Material: Cellulose 15 %, Fibrous glass 8 %, Non-fibrous 77 %			
4A-A32	107121281-32	No	NAD
Location: <4" OD Pipe Fit Debris; 4A Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Beige - Off-White, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 15 %, Non-fibrous 85 %			
3A-A33	107121281-33.1	No	NAD
Location: White Ins. Seam Mastic; 3A Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Cellulose Trace, Non-fibrous 100 %			
3A-A33	107121281-33.2	No	NAD
Location: White Ins. Seam Mastic; 3A Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White / Silver, Heterogeneous, Non-Fibrous, Wrap/ cover			
Asbestos Types:			
Other Material: Cellulose 15 %, Fibrous glass 5 %, Non-fibrous 80 %			
3A-A33	107121281-33.3	No	NAD
Location: White Ins. Seam Mastic; 3A Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Yellow, Heterogeneous, Fibrous, Insulation			
Asbestos Types:			
Other Material: Fibrous glass 80 %, Non-fibrous 20 %			
3A-A34	107121281-34	Yes	8 %
Location: Blk Penetration Sealant; 3A Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types: Chrysotile 8.0 %			
Other Material: Non-fibrous 92 %			

See Reporting notes on last page

Client Name: Froehling & Robertson, Inc

PLM Bulk Asbestos Report

J61 178E; SEVTC; Htg. Sys.

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
3A-A35	107121281-35	No	NAD
Location: Pipe Ins. Seam Mastic; 3A Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Cream, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Cellulose 1 %, Non-fibrous 99 %			
3B-A36	107121281-36	No	NAD
Location: <4" OD Pipe Fit. Ins.; 3B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White - Beige, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 12 %, Non-fibrous 88 %			
3B-A37	107121281-37	No	NAD
Location: Tan Friable Wall Board; 3B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White - Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 10 %, Fibrous glass 2 %, Non-fibrous 88 %			
3B-A38	107121281-38	No	NAD
Location: White Pipe Seam Mastic; 3B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 7 %, Fibrous glass 3 %, Non-fibrous 90 %			
3B-A39	107121281-39	No	NAD
Location: White Duct HVAC Sealant; 3B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Mastic			
Asbestos Types:			
Other Material: Cellulose 10 %, Fibrous glass 2 %, Non-fibrous 88 %			
3C-A40	107121281-40	No	NAD
Location: <4" OD Pipe Fit. Ins.; 3C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Gray - Beige, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Fibrous glass 12 %, Non-fibrous 88 %			

Client Name: Froehling & Robertson, Inc

PLM Bulk Asbestos Report

J61 178E; SEVTC; Htg. Sys.

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
3C-A41	107121281-41	No	NAD
Location: Tan Friable Wall Board; 3C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 8 %, Non-fibrous 92 %			
3D-A42	107121281-42.1	No	NAD
Location: White Pipe Seam Mastic; 3D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Mastic #1			
Asbestos Types:			
Other Material: Cellulose 2 %, Non-fibrous 98 %			
Comment: There Are Two Mastics Present. One Off-White and One Black			
3D-A42	107121281-42.2	No	NAD
Location: White Pipe Seam Mastic; 3D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Black, Heterogeneous, Non-Fibrous, Mastic #2			
Asbestos Types:			
Other Material: Cellulose 3 %, Fibrous glass 1 %, Non-fibrous 96 %			
3D-A42	107121281-42.3	No	NAD
Location: White Pipe Seam Mastic; 3D Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Tan/ Silver, Heterogeneous, Non-Fibrous, Wrap/ Cover			
Asbestos Types:			
Other Material: Cellulose 10 %, Fibrous glass 4 %, Non-fibrous 86 %			
1A-A43	107121281-43	No	NAD
Location: Tan Friable Wall Board; 1A Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material			
Asbestos Types:			
Other Material: Cellulose 3 %, Non-fibrous 97 %			

Client Name: Froehling & Robertson, Inc

PLM Bulk Asbestos Report

J61 178E; SEVTC; Htg. Sys.

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1B-A44	107121281-44	No	NAD
Location: Tan Friable Wall Board; 1B Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 10 %, Non-fibrous 90 %			
1C-A45	107121281-45	No	NAD
Location: White Pipe Seam Mastic; 1C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Cellulose Trace, Synthetic fibers Trace, Non-fibrous 100 %			
1C-A46	107121281-46	No	NAD
Location: Tan Friable Wall Board; 1C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White - Tan, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 7 %, Fibrous glass 3 %, Non-fibrous 90 %			
1C-A47	107121281-47	No	NAD
Location: Duct Ins. Mastic/Logging; 1C Overhead			(by CVES) by C. David Mintz on 12/12/07
Analyst Description: Off White, Heterogeneous, Non-Fibrous, Mastic Asbestos Types: Other Material: Cellulose 4 %, Fibrous glass 1 %, Non-fibrous 95 %			

Reporting Notes:

Analyzed by: C. David Mintz

Date

12/12/07

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYS DOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____



America's Laboratory

CHAIN OF CUSTODY RECORD

AMERISCI RICHMOND
Job No.

107121281

AMERISCI RICHMOND

13635 GENITO ROAD

MIDLOTHIAN, VA 23112

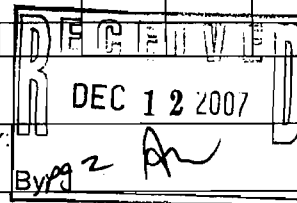
PHONE: (804) 763-1200

FAX: (804) 763-1800

TOLL FREE: (800) 476-5227

www.ameriscisc.com

F _e R		P.O.#:										
		SPECIAL INSTRUCTIONS:										
PROJECT INFORMATION		ANALYSIS TYPE		TURNAROUND TIME (X)						AIR FILTER INFORMATION		
				6-8 HR	12 HR	24 HR	48 HR	72 HR	5 DAY	OTHER		
JOB NAME: <u>SEITE SVPC (TR)</u>		TEM/AHERA									MCE	
JOB No.: <u>J61-178E</u>		TEM/LEVEL II									PC	
JOB MANAGER: <u>Tom Herrick</u>		TEM/7402									25 mm	
JOB DESCRIPTION: <u>Htg Syg</u>		TEM/BULK									37 mm	
		TEM/DUST									0.45 um	
		TEM/WATER									0.80 um	
		PLM									OTHER:	
		PCM										
		OTHER:										
RESULTS TO: <u>Tom Herrick</u> INVOICE TO: <u>F.R. Chesapeake</u>				RETURN SAMPLES: YES <u> </u> NO <u> </u>								
EMAIL RESULTS: <u>Y/N</u> EMAIL ADDRESS: <u>Therrick@Fondr.com</u>				PHONE: <u>757-436-1111</u>								
WRITTEN REPORT TO: <u>Sm</u>				FAX: <u>757-436-1674</u>								
COMMENTS:				SITE FAX:								
				PAGER/CELL: <u>757-328-0495</u>								
LAB ID	SAMPLE ID	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL TIME X	LITERS / MIN	TOTAL VOLUME	DATE COLLECTED				
5A-A1	4" OD Pipe Fit. ins.	5A Overhead						12-4-07				
5A-A2	4" OD Pipe Fit. ins.	5A Overhead										
5A-A3	Tan Friable Dry wall	5A Overhead										
5A-A4	White/Blk Fiber Vibe. Tang	5A Overhead HVAC										
5A-A5	4" OD Pipe Fit. Ins.	5B Overhead										
5A-A6	4" OD Pipe Fit. Ins.	5B Overhead										
5A-A7	Tan Friable Dry Wall	5B Overhead										
5B-A1	Bro. paper pack in HVAC pen.	5B Overhead										
5B-A2	Blk. plyable HVAC putty	5B Overhead										
5C-A1	Blk. plyable HVAC putty	5C Overhead										
5C-A2	Tan Friable Dry Wall	5C Overhead										
5C-A3	HVAC pen. duct caulk	5C Overhead										
5D-A1	White HVAC Duct Mastic	5D Overhead						12-5-07				
5D-A2	White HVAC Duct Mastic	5D Overhead										
5D-A3	Tan Friable Dry wall	5D Overhead										
4B-A1	4" OD Pipe fit. ins.	4B Overhead										
4B-A2	4" OD Pipe fit. ins.	4B Overhead										
4B-A3	Tan Friable Dry Wall	4B Overhead										
4B-A4	Blk. Penetration Sealant	4B Overhead										
4D-A1	4" OD Pipe Fit. ins.	4D Overhead										
4D-A2	Tan Friable Dry Wall	4D Overhead										
4D-A3	Blk Penetration Sealant	4D Overhead										
4D-A4	4-8" OD Pipe ins. White	4D Overhead										
SAMPLED BY: <u>Tom Herrick</u>			DATE/TIME: <u>12/11/07</u>		RECEIVED BY:			DATE/TIME:				
RELINQUISHED BY:			DATE/TIME:		RECEIVED IN LAB BY:			DATE/TIME:				



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F:
R

833 Professional Place W.
Cheapeake, VA 23320

P.O.#:

SPECIAL INSTRUCTIONS:

PROJECT INFORMATION	ANALYSIS TYPE	TURNAROUND TIME (X)							AIR FILTER INFORMATION
		6-8 HR	12 HR	24 HR	48 HR	72 HR	5 DAY	OTHER	
JOB NAME: <u>SVTIC</u> <u>SVTIC</u> (40)	TEM/AHERA								MCE
	TEM/LEVEL II								PC
JOB NO.: <u>J61-178E</u>	TEM/7402								25 mm
	TEM/BULK								37 mm
JOB MANAGER: <u>Tom Herrick</u>	TEM/DUST								0.45 um
	TEM/WATER								0.80 um
JOB DESCRIPTION: <u>Htg Sys</u>	PLM								OTHER:
	PCM								
	OTHER:								

RESULTS TO: <u>Tom Herrick</u>	INVOICE TO: <u>FIR</u>	RETURN SAMPLES: YES <input type="checkbox"/> NO <input type="checkbox"/>
EMAIL RESULTS: <u>(Y)</u> N	EMAIL ADDRESS: <u>Therrick@FandS.com</u>	PHONE: <u>757-436-1111</u>
WRITTEN REPORT TO: <u>Sam</u>		FAX: <u>757-436-1111</u>
COMMENTS:		SITE FAX:
		PAGER/CELL: <u>757-326-0445</u>

LAB ID	SAMPLE ID	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL TIME X	LITERS / MIN	TOTAL VOLUME	DATE COLLECTED
4C-A17	4" OD Pipe Ins. White	4C Overhead						12-5-07
4C-A18	4" OD Pipe Fit. Ins.	4C Overhead						
4C-A19	Insulation Seam Mastic	4C Overhead						
4C-A20	White Ins. Seam Mastic	4C Overhead						
4A-A21	White Ins. Seam Mastic	4A Overhead						
4A-A22	4" OD Pipe Fit. debris	4A Overhead						
3A-A23	White Ins. Seam Mastic	3A Overhead						
3A-A24	Blk. Penetration Sealant	3A Overhead						
3A-A25	Pipe Ins. seam Mastic	3A Overhead						
3B-A26	4" OD Pipe Fit. Ins.	3B Overhead						
3B-A27	Tan Friable Wall Board	3B Overhead						
3B-A28	White Pipe Seam Mastic	3B Overhead						
3B-A29	White Duct HVAC Sealant	3B Overhead						
3C-A30	4" OD Pipe Fit. Ins.	3B Overhead						
3C-A31	Tan Friable Wall Board	3C Overhead						
3D-A32	White Pipe Seam Mastic	3D Overhead						
1A-A33	Tan Friable Wall Board	1A Overhead						
1B-A34	Tan Friable Wall Board	1B Overhead						
1C-A35	White Pipe Seam Mastic	1C Overhead						
1C-A36	Tan Friable Wall Board	1C Overhead						
1C-A37	Duct Ins. Mastic / Lagging	1C Overhead						

SAMPLED BY: <u>Tom Herrick</u>	DATE/TIME: <u>12/11/07</u>	RECEIVED BY:
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY:

